BULLETIN

OF THE

AMERICAN MATHEMATICAL SOCIETY

A HISTORICAL AND CRITICAL REVIEW OF MATHEMATICAL SCIENCE

EDITED BY

F. N. COLE

E. W. BROWN

VIRGIL SNYDER

ALEXANDER ZIWET

D. E. SMITH

J. W. YOUNG

ARTHUR RANUM

T. LEVI-CIVITA

VOLUME XIX., NUMBER 6

March, 1913

PUBLISHED BY THE SOCIETY LANCASTER, PA., AND NEW YORK

1913

JOHN WILEY & SONS

43 and 45 East 19th Street,

NEW YORK CITY

London:

Montreal, Canada:

CHAPMAN & HALL, Limited

RENOUF PUBLISHING CO.

MARSH—Industrial Mathematics. By Horace Wilmer Marsh, Head of Department of Mathematics, School of Science and Technology, Pratt Institute. With the Collaboration of Annie Griswold Fordyce Marsh. Small 8vo, viii+476 pages, 227 figures. Cloth \$2.00 net.

For those who are employed or anticipate employment in technical industries, who desire mathematical preparation for technical courses, or who are taking industrial courses of study.

- KOCH—The Mathematics of Applied Electricity. A Practical Mathematics. By Ernest H. Koch, Jr., Instructor in Mathematics, School of Science and Technology, Pratt Institute, Brooklyn, N. Y Small 8vo, xvi+651 pages, 316 figures. Cloth, \$3.00 net.
 - A Professor of Electrical Engineering writes: "The amount of ground covered, the method of treatment, and the selection of material, make the book a very useful handbook of mathematics for engineers and teachers of engineering subjects, who need to refresh themselves upon features of engineering mathematics."
- MARTIN—Text-Book of Mechanics. By Louis A. Martin, Jr., Professor of Mechanics, Stevens Institute of Technology. Vol. IV. Applied Statics. 12mo, xii+198 pages, 141 figures. Cloth \$1.50 net.

This volume serves as an introduction to mechanical as well as to structural engineering, as statics is applied both to structures and to machines.

SECOND EDITION

- COFFIN—Vector Analysis. An introduction to Vector Methods and Their Various Applications to Physics and Mathematics. By JOSEPH GEORGE COFFIN, B.S., Ph.D., Assistant Professor of Physics, at the College of the City of New York. 12mo, xxii+262 pages, 70 figures. Cloth, \$2.50 net.
- HANCOCK—Lectures on the Theory of Elliptic Functions. By HARBIS HANCOCK, Ph.D. (Berlin), Dr. Sc. (Paris), Professor of Mathematics in the University of Cincinnati. Volume I, Analysis. 8vo, xxiii+498 pages, 76 figures. Cloth, \$5.00 net.
- FULLER-JOHNSTON—Applied Mechanics. A Text-book on the subjects of Statics, Kinetics, and Strength of Materials. In two volumes. Volume I. Theory of Statics and Kinetics, including a Discussion of Graphical Methods of Solving Problems in Statics, with Applications. 8vo, cloth. (Ready shortly.) Volume II. Strength of Materials (in preparation).